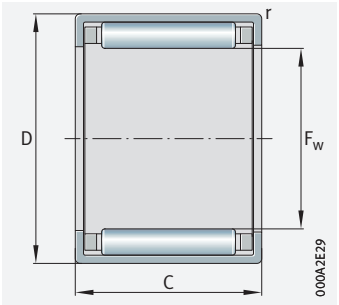
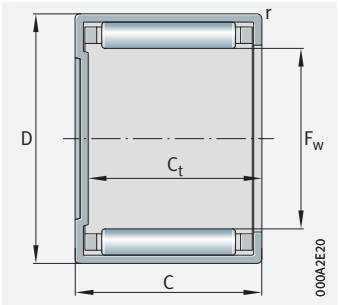
# Drawn cup needle roller bearings with open ends

# Drawn cup needle roller bearings with closed end

Unsealed




*HK*




*BK with $F_w < 25$ mm*

## $F_w$ = 17 – 30 mm

| Main dimensions | | | Basic load ratings | | Fatigue limit load | Limiting speed | Speed rating | Drawn cup needle roller bearings with open ends | | Drawn cup needle roller bearings with closed end | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $F_w$ | D | C | dyn. $C_r$ | stat. $C_{0r}$ | $C_{ur}$ | $n_G$ | $n_{\vartheta r}$ | Mass m | Designation ➤*904\|1.12* ➤*904\|1.13* | Mass m | Designation ➤*904\|1.12* ➤*904\|1.13* |
| | | –0,3 | N | N | N | $min^{-1}$ | $min^{-1}$ | ≈ g | | ≈ g | |
| **17** | 23 | 12 | 7 900 | 10 300 | 1 260 | 14 700 | 11 200 | 12 | **HK1712** | – | – |
| **18** | 24 | 12 | 8 100 | 10 900 | 1 330 | 14 000 | 10 700 | 13 | **HK1812** | 15 | **BK1812** |
| | 24 | 16 | 11 600 | 17 300 | 2 180 | 14 000 | 10 400 | 18 | **HK1816** | 20 | **BK1816** |
| **20** | 26 | 10 | 6 400 | 8 200 | 1 060 | 12 700 | 10 000 | 12 | **HK2010** | – | – |
| | 26 | 12 | 8 600 | 12 100 | 1 480 | 12 700 | 9 700 | 14 | **HK2012** | – | – |
| | 26 | 16 | 12 700 | 20 100 | 2 550 | 12 700 | 9 300 | 19 | **HK2016** | 22 | **BK2016** |
| | 26 | 20 | 15 700 | 26 000 | 3 600 | 12 700 | 9 300 | 24 | **HK2020** | 27 | **BK2020** |
| | 26 | 30 | 21 800 | 40 000 | 5 100 | 12 700 | 9 200 | 35 | **HK2030-ZW** | – | – |
| **22** | 28 | 10 | 7 500 | 10 500 | 1 390 | 11 700 | 9 000 | 13 | **HK2210** | – | – |
| | 28 | 12 | 9 100 | 13 400 | 1 630 | 11 700 | 8 900 | 15 | **HK2212** | 18 | **BK2212** |
| | 28 | 16 | 13 400 | 22 100 | 2 850 | 11 700 | 8 500 | 21 | **HK2216** | 24 | **BK2216** |
| | 28 | 20 | 16 500 | 29 000 | 3 950 | 11 700 | 8 500 | 26 | **HK2220** | – | – |
| **25** | 32 | 12 | 11 000 | 15 200 | 2 030 | 10 200 | 7 800 | 20 | **HK2512** | – | – |
| | 32 | 16 | 15 600 | 24 000 | 3 200 | 10 200 | 7 500 | 27 | **HK2516** | 32 | **BK2516** |
| | 32 | 20 | 19 900 | 33 000 | 4 300 | 10 200 | 7 400 | 33 | **HK2520** | 38 | **BK2520** |
| | 32 | 26 | 25 500 | 45 000 | 6 300 | 10 200 | 7 300 | 44 | **HK2526** | 48 | **BK2526** |
| | 32 | 38 | 34 000 | 66 000 | 8 600 | 10 200 | 7 300 | 64 | **HK2538-ZW** | 68 | **BK2538-ZW** |
| **28** | 35 | 16 | 16 400 | 26 500 | 3 500 | 9 200 | 6 800 | 29 | **HK2816** | – | – |
| | 35 | 20 | 20 900 | 36 000 | 4 700 | 9 200 | 6 700 | 36 | **HK2820** | – | – |
| **30** | 37 | 12 | 12 100 | 18 200 | 2 440 | 8 600 | 6 600 | 23 | **HK3012** | 28 | **BK3012** |
| | 37 | 16 | 17 200 | 29 000 | 3 850 | 8 600 | 6 400 | 31 | **HK3016** | 38 | **BK3016** |
| | 37 | 20 | 22 000 | 39 500 | 5 100 | 8 600 | 6 300 | 39 | **HK3020** | 47 | **BK3020** |
| | 37 | 22 | 24 800 | 46 000 | 6 200 | 8 600 | 6 200 | 42 | **HK3022** | – | – |
| | 37 | 26 | 28 000 | 54 000 | 7 600 | 8 600 | 6 200 | 51 | **HK3026** | 58 | **BK3026** |
| | 37 | 38 | 37 500 | 79 000 | 10 300 | 8 600 | 6 200 | 76 | **HK3038-ZW** | 84 | **BK3038-ZW** |

***medias*** *https://www.schaeffler.de/std/1F9A*

[1] For unsealed drawn cup needle roller bearings, dimensionally matched sealing rings of series G or SD can be used to provide protection against contamination.